

09/807452  
PCT/US99/24511

WO 00/23589

## SEQUENCE LISTING

&lt;110&gt; INCYTE PHARMACEUTICALS, INC.

TANG, Y. Tom

YUE, Henry

HILLMAN, Jennifer L.

GUEGLER, Karl J.

CORLEY, Neil C.

LAL, Preeti

AZIMZAI, Yalda

BAUGHN, Mariah R.

JUNMING, Yang

SHIH, Leo L.

&lt;120&gt; PROLIFERATION AND APOPTOSIS RELATED PROTEINS

&lt;130&gt; PF-0619 PCT

&lt;140&gt; To Be Assigned

&lt;141&gt; Herewith

<150> 09/175,737; unassigned; 60/118,559; 09/249,740; unassigned;  
60/154,336<151> 1998-10-20; 1998-10-20; 1999-02-04; 1999-04-11; 1999-04-11;  
1999-04-22

&lt;160&gt; 44

&lt;170&gt; PERL Program

&lt;210&gt; 1

&lt;211&gt; 334

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1342011CD1

&lt;400&gt; 1

Met	Ser	Arg	Thr	Met	Ala	Arg	Thr	Arg	Pro	Gly	Gln	Leu	Gly	Arg
1				5					10					15
Val	Thr	Gly	Ala	Gly	Gly	Trp	Gly	Ser	Ala	Ala	Val	Cys	Arg	Gly
				20					25					30
Arg	Ala	Leu	Arg	Gly	Arg	Glu	Pro	Ala	Leu	Pro	Ser	Ala	Ser	Phe
				35					40					45
Pro	Asp	Val	Ala	Ala	Cys	Pro	Gly	Ser	Leu	Asp	Cys	Ala	Leu	Lys
				50					55					60
Arg	Arg	Ala	Arg	Cys	Pro	Pro	Gly	Ala	His	Ala	Cys	Gly	Pro	Cys
				65					70					75
Leu	Gln	Pro	Phe	Gln	Glu	Asp	Gln	Gln	Gly	Leu	Cys	Val	Pro	Arg
				80					85					90
Met	Arg	Arg	Pro	Pro	Gly	Gly	Gly	Arg	Pro	Gln	Pro	Arg	Leu	Glu
				95					100					105



WO 00/23589

PCT/US99/24511

Ile	Pro	Val	Glu	Lys	Leu	Val	Lys	Gly	Lys	Phe	Gln	Asp	Asn	Phe	
				95					100					105	
Glu	Phe	Ile	Gln	Trp	Phe	Lys	Lys	Phe	Phe	Asp	Ala	Asn	Tyr	Asp	
				110					115					120	
Gly	Lys	Asp	Tyr	Asn	Pro	Leu	Leu	Ala	Arg	Gln	Gly	Gln	Asp	Val	
				125					130					135	
Ala	Pro	Pro	Pro	Asn	Pro	Gly	Asp	Gln	Ile	Phe	Asn	Lys	Ser	Lys	
				140					145					150	
Lys	Leu	Ile	Gly	Thr	Ala	Val	Pro	Gln	Arg	Thr	Ser	Pro	Thr	Gly	
				155					160					165	
Pro	Lys	Asn	Met	Gln	Thr	Ser	Gly	Arg	Leu	Ser	Asn	Val	Ala	Pro	
				170					175					180	
Pro	Cys	Ile	Leu	Arg	Lys	Asn	Pro	Pro	Ser	Ala	Arg	Asn	Gly	Gly	
				185					190					195	
His	Glu	Thr	Asp	Ala	Gln	Ile	Leu	Glu	Leu	Asn	Gln	Gln	Leu	Val	
				200					205					210	
Asp	Leu	Lys	Leu	Thr	Val	Asp	Gly	Leu	Glu	Lys	Glu	Arg	Asp	Phe	
				215					220					225	
Tyr	Phe	Ser	Lys	Leu	Arg	Asp	Ile	Glu	Leu	Ile	Cys	Gln	Glu	His	
				230					235					240	
Glu	Ser	Glu	Asn	Ser	Pro	Val	Ile	Ser	Gly	Ile	Ile	Gly	Ile	Leu	
				245					250					255	
Tyr	Ala	Thr	Glu	Glu	Gly	Phe	Ala	Pro	Pro	Glu	Asp	Asp	Glu	Ile	
				260					265					270	
Glu	Glu	His	Gln	Gln	Glu	Asp	Gln	Asp	Glu	Tyr					
				275					280						

&lt;210&gt; 3

&lt;211&gt; 237

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3201881CD1

&lt;400&gt; 3

Met	Gly	Glu	Asp	Ala	Ala	Gln	Ala	Glu	Lys	Phe	Gln	His	Pro	Gly	
1				5					10					15	
Ser	Asp	Met	Arg	Gln	Glu	Lys	Pro	Ser	Ser	Pro	Ser	Pro	Met	Pro	
				20					25					30	
Ser	Ser	Thr	Pro	Ser	Pro	Ser	Leu	Asn	Leu	Gly	Asn	Thr	Glu	Glu	
				35					40					45	
Ala	Ile	Arg	Asp	Asn	Ser	Gln	Val	Asn	Ala	Val	Thr	Val	Leu	Thr	
				50					55					60	
Leu	Leu	Asp	Lys	Leu	Val	Asn	Met	Leu	Asp	Ala	Val	Gln	Glu	Asn	
				65					70					75	
Gln	His	Lys	Met	Glu	Gln	Arg	Gln	Ile	Ser	Leu	Glu	Gly	Ser	Val	
				80					85					90	
Lys	Gly	Ile	Gln	Asn	Asp	Leu	Thr	Lys	Leu	Ser	Lys	Tyr	Gln	Ala	
				95					100					105	
Ser	Thr	Ser	Asn	Thr	Val	Ser	Lys	Leu	Leu	Glu	Lys	Ser	Arg	Lys	
				110					115					120	
Val	Ser	Ala	His	Thr	Arg	Ala	Val	Lys	Glu	Arg	Met	Asp	Arg	Gln	



WO 00/23589

PCT/US99/24511

Asn Thr Pro Tyr	Pro Gly Gly Leu Asn Thr	Pro Tyr Pro Gly Gly	215	220	225
Met Thr Pro Gly	Leu Met Thr Pro Gly Thr	Gly Glu Leu Asp Met	230	235	240
Arg Lys Ile Gly	Gln Ala Arg Asn Thr	Leu Met Asp Met Arg Leu	245	250	255
Ser Gln Val Ser	Asp Ser Val Ser Gly Gln	Thr Val Val Asp Pro	260	265	270
Lys Gly Tyr Leu	Thr Asp Leu Asn Ser Met	Ile Pro Thr His Gly	275	280	285
Gly Asp Ile Asn	Asp Ile Lys Lys Ala Arg	Leu Leu Leu Lys Ser	290	295	300
Val Arg Glu Thr	Asn Pro His His Pro Pro	Ala Trp Ile Ala Ser	305	310	315
Ala Arg Leu Glu	Glu Val Thr Gly Lys Leu	Gln Val Ala Arg Asn	320	325	330
Leu Ile Met Lys	Gly Thr Glu Met Cys Pro	Lys Ser Glu Asp Val	335	340	345
Trp Leu Glu Ala	Ala Arg Leu Gln Pro Gly	Asp Thr Ala Lys Ala	350	355	360
Val Val Ala Gln	Ala Val Arg His Leu Pro	Gln Ser Val Arg Ile	365	370	375
Tyr Ile Arg Ala	Ala Glu Leu Glu Thr Asp	Ile Arg Ala Lys Lys	380	385	390
Arg Val Leu Arg	Lys Ala Leu Glu His Val	Pro Asn Ser Val Arg	395	400	405
Leu Trp Lys Ala	Ala Val Glu Leu Glu Glu	Pro Glu Asp Ala Arg	410	415	420
Ile Met Leu Ser	Arg Ala Val Glu Cys Cys	Pro Thr Ser Val Glu	425	430	435
Leu Trp Leu Ala	Leu Ala Arg Leu Glu Thr	Tyr Glu Asn Ala Arg	440	445	450
Lys Val Leu Asn	Lys Ala Arg Glu Asn Ile	Pro Thr Asp Arg His	455	460	465
Ile Trp Ile Thr	Ala Ala Lys Leu Glu Glu	Ala Asn Gly Asn Thr	470	475	480
Gln Met Val Glu	Lys Ile Ile Asp Arg Ala	Ile Thr Ser Leu Arg	485	490	495
Ala Asn Gly Val	Glu Ile Asn Arg Glu Gln	Trp Ile Gln Asp Ala	500	505	510
Glu Glu Cys Asp	Arg Ala Gly Ser Val Ala	Thr Cys Gln Ala Val	515	520	525
Met Arg Ala Val	Ile Gly Ile Gly Ile Glu	Glu Glu Asp Arg Lys	530	535	540
His Thr Trp Met	Glu Asp Ala Asp Ser Cys	Val Ala His Asn Ala	545	550	555
Leu Glu Cys Ala	Arg Ala Ile Tyr Ala Tyr	Ala Leu Gln Val Phe	560	565	570
Pro Ser Lys Lys	Ser Val Trp Leu Arg Ala	Ala Tyr Phe Glu Lys	575	580	585
Asn His Gly Thr	Arg Glu Ser Leu Glu Ala	Leu Leu Gln Arg Ala	590	595	600
Val Ala His Cys	Pro Lys Ala Glu Val Leu	Trp Leu Met Gly Ala	605	610	615
Lys Ser Lys Trp	Leu Ala Gly Asp Val Pro	Ala Ala Arg Ser Ile			

WO 00/23589

PCT/US99/24511

	620		625		630
Leu Ala Leu Ala	Phe Gln Ala Asn Pro	Asn Ser Glu Glu Ile Trp			
	635		640		645
Leu Ala Ala Val	Lys Leu Glu Ser Glu	Asn Asp Glu Tyr Glu Arg			
	650		655		660
Ala Arg Arg Leu	Leu Ala Lys Ala Arg	Ser Ser Ala Pro Thr Ala			
	665		670		675
Arg Val Phe Met	Lys Ser Val Lys Leu	Glu Trp Val Gln Asp Asn			
	680		685		690
Ile Arg Ala Ala	Gln Asp Leu Cys Glu	Glu Ala Leu Arg His Tyr			
	695		700		705
Glu Asp Phe Pro	Lys Leu Trp Met Met	Lys Gly Gln Ile Glu Glu			
	710		715		720
Gln Lys Glu Met	Met Glu Lys Ala Arg	Glu Ala Tyr Asn Gln Gly			
	725		730		735
Leu Lys Lys Cys	Pro His Ser Thr Pro	Leu Trp Leu Leu Leu Ser			
	740		745		750
Arg Leu Glu Glu	Lys Ile Gly Gln Leu	Thr Arg Ala Arg Ala Ile			
	755		760		765
Leu Glu Lys Ser	Arg Leu Lys Asn Pro	Lys Asn Pro Gly Leu Trp			
	770		775		780
Leu Glu Ser Val	Arg Leu Glu Tyr Arg	Ala Gly Leu Lys Asn Ile			
	785		790		795
Ala Asn Thr Leu	Met Ala Lys Ala Leu	Gln Glu Cys Pro Asn Ser			
	800		805		810
Gly Ile Leu Trp	Ser Glu Ala Ile Phe	Leu Glu Ala Arg Pro Gln			
	815		820		825
Arg Arg Thr Lys	Ser Val Asp Ala Leu	Lys Lys Cys Glu His Asp			
	830		835		840
Pro His Val Leu	Leu Ala Val Ala Lys	Leu Phe Trp Ser Gln Arg			
	845		850		855
Lys Ile Thr Lys	Ala Arg Glu Trp Phe	His Arg Thr Val Lys Ile			
	860		865		870
Asp Ser Asp Leu	Gly Asp Ala Trp Ala	Phe Phe Tyr Lys Phe Glu			
	875		880		885
Leu Gln His Gly	Thr Glu Glu Gln Gln	Glu Glu Val Arg Lys Arg			
	890		895		900
Cys Glu Ser Ala	Glu Pro Arg His Gly	Glu Leu Trp Cys Ala Val			
	905		910		915
Ser Lys Asp Ile	Ala Asn Trp Gln Lys	Lys Ile Gly Asp Ile Leu			
	920		925		930
Arg Leu Val Ala	Gly Arg Ile Lys Asn	Thr Phe			
	935		940		

&lt;210&gt; 5

&lt;211&gt; 918

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2125677CD1

WO 00/23589

PCT/US99/24511

&lt;400&gt; 5

Met	Thr	Ala	Arg	Glu	Glu	Ala	Ser	Leu	Arg	Thr	Leu	Glu	Gly	Arg
1				5					10					15
Arg	Arg	Ala	Thr	Leu	Leu	Ser	Ala	Arg	Gln	Gly	Met	Met	Ser	Ala
				20					25					30
Arg	Gly	Asp	Phe	Leu	Asn	Tyr	Ala	Leu	Ser	Leu	Met	Arg	Ser	His
				35					40					45
Asn	Asp	Glu	His	Ser	Asp	Val	Leu	Pro	Val	Leu	Asp	Val	Cys	Ser
				50					55					60
Leu	Lys	His	Val	Ala	Tyr	Val	Phe	Gln	Ala	Leu	Ile	Tyr	Trp	Ile
				65					70					75
Lys	Ala	Met	Asn	Gln	Gln	Thr	Thr	Leu	Asp	Thr	Pro	Gln	Leu	Glu
				80					85					90
Arg	Lys	Arg	Thr	Arg	Glu	Leu	Leu	Glu	Leu	Gly	Ile	Asp	Asn	Glu
				95					100					105
Asp	Ser	Glu	His	Glu	Asn	Asp	Asp	Asp	Thr	Asn	Gln	Ser	Ala	Thr
				110					115					120
Leu	Asn	Asp	Lys	Asp	Asp	Asp	Ser	Leu	Pro	Ala	Glu	Thr	Gly	Gln
				125					130					135
Asn	His	Pro	Phe	Phe	Arg	Arg	Ser	Asp	Ser	Met	Thr	Phe	Leu	Gly
				140					145					150
Cys	Ile	Pro	Pro	Asn	Pro	Phe	Glu	Val	Pro	Leu	Ala	Glu	Ala	Ile
				155					160					165
Pro	Leu	Ala	Asp	Gln	Pro	His	Leu	Leu	Gln	Pro	Asn	Ala	Arg	Lys
				170					175					180
Glu	Asp	Leu	Phe	Gly	Arg	Pro	Ser	Gln	Gly	Leu	Tyr	Ser	Ser	Ser
				185					190					195
Ala	Ser	Ser	Gly	Lys	Cys	Leu	Met	Glu	Val	Thr	Val	Asp	Arg	Asn
				200					205					210
Cys	Leu	Glu	Val	Leu	Pro	Thr	Lys	Met	Ser	Tyr	Ala	Ala	Asn	Leu
				215					220					225
Lys	Asn	Val	Met	Asn	Met	Gln	Asn	Arg	Gln	Lys	Lys	Glu	Gly	Glu
				230					235					240
Glu	Gln	Pro	Val	Leu	Pro	Glu	Glu	Thr	Glu	Ser	Ser	Lys	Pro	Gly
				245					250					255
Pro	Ser	Ala	His	Asp	Leu	Ala	Ala	Gln	Leu	Lys	Ser	Ser	Leu	Leu
				260					265					270
Ala	Glu	Ile	Gly	Leu	Thr	Glu	Ser	Glu	Gly	Pro	Pro	Leu	Thr	Ser
				275					280					285
Phe	Arg	Pro	Gln	Cys	Ser	Phe	Met	Gly	Met	Val	Ile	Ser	His	Asp
				290					295					300
Met	Leu	Leu	Gly	Arg	Trp	Arg	Leu	Ser	Leu	Glu	Leu	Phe	Gly	Arg
				305					310					315
Val	Phe	Met	Glu	Asp	Val	Gly	Ala	Glu	Pro	Gly	Ser	Ile	Leu	Thr
				320					325					330
Glu	Leu	Gly	Gly	Phe	Glu	Val	Lys	Glu	Ser	Lys	Phe	Arg	Arg	Glu
				335					340					345
Met	Glu	Lys	Leu	Arg	Asn	Gln	Gln	Ser	Arg	Asp	Leu	Ser	Leu	Glu
				350					355					360
Val	Lys	Val	Asp	Arg	Asp	Arg	Asp	Leu	Leu	Ile	Gln	Gln	Thr	Met
				365					370					375
Arg	Gln	Leu	Asn	Asn	His	Phe	Gly	Arg	Arg	Cys	Ala	Thr	Thr	Pro
				380					385					390
Met	Ala	Val	His	Arg	Val	Lys	Val	Thr	Phe	Lys	Asp	Glu	Pro	Gly
				395					400					405

WO 00/23589

PCT/US99/24511

Glu Gly Ser Gly Val Ala Arg Ser Phe Tyr Thr Ala Ile Ala Gln	410	415	420
Ala Phe Leu Ser Asn Glu Lys Leu Pro Asn Leu Glu Cys Ile Gln	425	430	435
Asn Ala Asn Lys Gly Thr His Thr Ser Leu Met Gln Arg Leu Arg	440	445	450
Asn Arg Gly Glu Arg Asp Arg Glu Arg Glu Arg Glu Arg Glu Met	455	460	465
Arg Arg Ser Ser Gly Leu Arg Ala Gly Ser Arg Arg Asp Arg Asp	470	475	480
Arg Asp Phe Arg Arg Gln Leu Ser Ile Asp Thr Arg Pro Phe Arg	485	490	495
Pro Ala Ser Glu Gly Asn Pro Ser Asp Asp Pro Glu Pro Leu Pro	500	505	510
Ala His Arg Gln Ala Leu Gly Glu Arg Leu Tyr Pro Arg Val Gln	515	520	525
Ala Met Gln Pro Ala Phe Ala Ser Lys Ile Thr Gly Met Leu Leu	530	535	540
Glu Leu Ser Pro Ala Gln Leu Leu Leu Leu Leu Ala Ser Glu Asp	545	550	555
Ser Leu Arg Ala Arg Val Asp Glu Ala Met Glu Leu Ile Ile Ala	560	565	570
His Gly Arg Glu Asn Gly Ala Asp Ser Ile Leu Asp Leu Gly Leu	575	580	585
Val Asp Ser Ser Glu Lys Val Gln Gln Glu Asn Arg Lys Arg His	590	595	600
Gly Ser Ser Arg Ser Val Val Asp Met Asp Leu Asp Asp Thr Asp	605	610	615
Asp Gly Asp Asp Asn Ala Pro Leu Phe Tyr Gln Pro Gly Lys Arg	620	625	630
Gly Phe Tyr Thr Pro Arg Pro Gly Lys Asn Thr Glu Ala Arg Leu	635	640	645
Asn Cys Phe Arg Asn Ile Gly Arg Ile Leu Gly Leu Cys Leu Leu	650	655	660
Gln Asn Glu Leu Cys Pro Ile Thr Leu Asn Arg His Val Ile Lys	665	670	675
Val Leu Leu Gly Arg Lys Val Asn Trp His Asp Phe Ala Phe Phe	680	685	690
Asp Pro Val Met Tyr Glu Ser Leu Arg Gln Leu Ile Leu Ala Ser	695	700	705
Gln Ser Ser Asp Ala Asp Ala Val Phe Ser Ala Met Asp Leu Ala	710	715	720
Phe Ala Ile Asp Leu Cys Lys Glu Glu Gly Gly Gln Val Glu	725	730	735
Leu Ile Pro Asn Gly Val Asn Ile Pro Val Thr Pro Gln Asn Val	740	745	750
Tyr Glu Tyr Val Arg Lys Tyr Ala Glu His Arg Met Leu Val Val	755	760	765
Ala Glu Gln Pro Leu His Ala Met Arg Lys Gly Leu Leu Asp Val	770	775	780
Leu Pro Lys Asn Ser Leu Glu Asp Leu Thr Ala Glu Asp Phe Arg	785	790	795
Leu Leu Val Asn Gly Cys Gly Glu Val Asn Val Gln Met Leu Ile	800	805	810
Ser Phe Thr Ser Phe Asn Asp Glu Ser Gly Glu Asn Ala Glu Lys			



WO 00/23589

PCT/US99/24511

	815		820		825
Leu Leu Gln Phe	Lys Arg Trp Phe Trp	Ser Ile Val Glu Lys Met			
	830		835		840
Ser Met Thr Glu	Arg Gln Asp Leu Val	Tyr Phe Trp Thr Ser Ser			
	845		850		855
Pro Ser Leu Pro	Ala Ser Glu Glu Gly	Phe Gln Pro Met Pro Ser			
	860		865		870
Ile Thr Ile Arg	Pro Pro Asp Asp Gln	His Leu Pro Thr Ala Asn			
	875		880		885
Thr Cys Ile Ser	Arg Leu Tyr Val Pro	Leu Tyr Ser Ser Lys Gln			
	890		895		900
Ile Leu Lys Gln	Lys Leu Leu Leu Ala	Ile Lys Thr Lys Asn Phe			
	905		910		915
Gly Phe Val					

&lt;210&gt; 6

&lt;211&gt; 324

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2603810CD1

&lt;400&gt; 6

Met Gly Pro Trp	Gly Glu Pro Glu Leu Leu Val Trp Arg Pro Glu	
1	5	10 15
Ala Val Ala Ser	Glu Pro Pro Val Pro Val Gly Leu Glu Val Lys	
	20	25 30
Leu Gly Ala Leu Val	Leu Leu Leu Val Leu Thr Leu Leu Cys Ser	
	35	40 45
Leu Val Pro Ile Cys	Val Leu Arg Arg Pro Gly Ala Asn His Glu	
	50	55 60
Gly Ser Ala Ser Arg	Gln Lys Ala Leu Ser Leu Val Ser Cys Phe	
	65	70 75
Ala Gly Gly Val Phe	Leu Ala Thr Cys Leu Leu Asp Leu Leu Pro	
	80	85 90
Asp Tyr Leu Ala Ala	Ile Asp Glu Ala Leu Ala Ala Leu His Val	
	95	100 105
Thr Leu Gln Phe Pro	Leu Gln Glu Phe Ile Leu Ala Met Gly Phe	
	110	115 120
Phe Leu Val Leu Val	Met Glu Gln Ile Thr Leu Ala Tyr Lys Glu	
	125	130 135
Gln Ser Gly Pro Ser	Pro Leu Glu Glu Thr Arg Ala Leu Leu Gly	
	140	145 150
Thr Val Asn Gly Gly	Pro Gln His Trp His Asp Gly Pro Gly Val	
	155	160 165
Pro Gln Ala Ser Gly	Ala Pro Ala Thr Pro Ser Ala Leu Arg Ala	
	170	175 180
Cys Val Leu Val Phe	Ser Leu Ala Leu His Ser Val Phe Glu Gly	
	185	190 195
Leu Ala Val Gly Leu	Gln Arg Asp Arg Ala Arg Ala Met Glu Leu	
	200	205 210
Cys Leu Ala Leu Leu	Leu His Lys Gly Ile Leu Ala Val Ser Leu	

WO 00/23589

PCT/US99/24511

	215		220		225
Ser Leu Arg Leu	Leu Gln Ser His Leu Arg Ala Gln Val Val Ala				
	230		235		240
Gly Cys Gly Ile	Leu Phe Ser Cys Met Thr Pro Leu Gly Ile Gly				
	245		250		255
Leu Gly Ala Ala	Leu Ala Glu Ser Ala Gly Pro Leu His Gln Leu				
	260		265		270
Ala Gln Ser Val	Leu Glu Gly Met Ala Ala Gly Thr Phe Leu Tyr				
	275		280		285
Ile Thr Phe Leu	Glu Ile Leu Pro Gln Glu Leu Ala Ser Ser Glu				
	290		295		300
Gln Arg Ile Leu	Lys Val Ile Leu Leu Leu Ala Gly Phe Ala Leu				
	305		310		315
Leu Thr Gly Leu	Leu Phe Ile Gln Ile				
	320				

&lt;210&gt; 7

&lt;211&gt; 185

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2715761CD1

&lt;400&gt; 7

Met Thr Thr Pro	Asn Lys Thr Pro Pro Gly Ala Asp Pro Lys Gln				
1	5	10	15		
Leu Glu Arg Thr	Gly Thr Val Arg Glu Ile Gly Ser Gln Ala Val				
	20	25	30		
Trp Ser Leu Ser	Ser Cys Lys Pro Gly Phe Gly Val Asp Gln Leu				
	35	40	45		
Arg Asp Asp Asn	Leu Glu Thr Tyr Trp Gln Ser Asp Gly Ser Gln				
	50	55	60		
Pro His Leu Val	Asn Ile Gln Phe Arg Arg Lys Thr Thr Val Lys				
	65	70	75		
Thr Leu Cys Ile	Tyr Ala Asp Tyr Lys Ser Asp Glu Ser Tyr Thr				
	80	85	90		
Pro Ser Lys Ile	Ser Val Arg Val Gly Asn Asn Phe His Asn Leu				
	95	100	105		
Gln Glu Ile Arg	Gln Leu Glu Leu Val Glu Pro Ser Gly Trp Ile				
	110	115	120		
His Val Pro Leu	Thr Asp Asn His Lys Lys Pro Thr Arg Thr Phe				
	125	130	135		
Met Ile Gln Ile	Ala Val Leu Ala Asn His Gln Asn Gly Arg Asp				
	140	145	150		
Thr His Met Arg	Gln Ile Lys Ile Tyr Thr Pro Val Glu Glu Ser				
	155	160	165		
Ser Ile Gly Lys	Phe Pro Arg Cys Thr Thr Ile Asp Phe Met Met				
	170	175	180		
Tyr Arg Ser Ile	Arg				
	185				

WO 00/23589

PCT/US99/24511

<210> 8  
 <211> 445  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3255641CD1

&lt;400&gt; 8

Met	Leu	Ala	Ser	Tyr	Gly	Leu	Ala	Tyr	Ser	Leu	Met	Lys	Phe	Phe
1				5					10					15
Thr	Gly	Pro	Met	Ser	Asp	Phe	Lys	Asn	Val	Gly	Leu	Val	Phe	Val
				20					25					30
Asn	Ser	Lys	Arg	Asp	Arg	Thr	Lys	Ala	Val	Leu	Cys	Met	Val	Val
				35					40					45
Ala	Gly	Ala	Ile	Ala	Ala	Val	Phe	His	Thr	Leu	Ile	Ala	Tyr	Ser
				50					55					60
Asp	Leu	Gly	Tyr	Tyr	Ile	Ile	Asn	Lys	Leu	His	His	Val	Asp	Glu
				65					70					75
Ser	Val	Gly	Ser	Lys	Thr	Arg	Arg	Ala	Phe	Leu	Tyr	Leu	Ala	Ala
				80					85					90
Phe	Pro	Phe	Met	Asp	Ala	Met	Ala	Trp	Thr	His	Ala	Gly	Ile	Leu
				95					100					105
Leu	Lys	His	Lys	Tyr	Ser	Phe	Leu	Val	Gly	Cys	Ala	Ser	Ile	Ser
				110					115					120
Asp	Val	Ile	Ala	Gln	Val	Val	Phe	Val	Ala	Ile	Leu	Leu	His	Ser
				125					130					135
His	Leu	Glu	Cys	Arg	Glu	Pro	Leu	Leu	Ile	Pro	Ile	Leu	Ser	Leu
				140					145					150
Tyr	Met	Gly	Ala	Leu	Val	Arg	Cys	Thr	Thr	Leu	Cys	Leu	Gly	Tyr
				155					160					165
Tyr	Lys	Asn	Ile	His	Asp	Ile	Ile	Pro	Asp	Arg	Ser	Gly	Pro	Glu
				170					175					180
Leu	Gly	Gly	Asp	Ala	Thr	Ile	Arg	Lys	Met	Leu	Ser	Phe	Trp	Trp
				185					190					195
Pro	Leu	Ala	Leu	Ile	Leu	Ala	Thr	Gln	Arg	Ile	Ser	Arg	Pro	Ile
				200					205					210
Val	Asn	Leu	Phe	Val	Ser	Arg	Asp	Leu	Gly	Gly	Ser	Ser	Ala	Ala
				215					220					225
Thr	Glu	Ala	Val	Ala	Ile	Leu	Thr	Ala	Thr	Tyr	Pro	Val	Gly	His
				230					235					240
Met	Pro	Tyr	Gly	Trp	Leu	Thr	Glu	Ile	Arg	Ala	Val	Tyr	Pro	Ala
				245					250					255
Phe	Asp	Lys	Asn	Asn	Pro	Ser	Asn	Lys	Leu	Val	Ser	Thr	Ser	Asn
				260					265					270
Thr	Val	Thr	Ala	Ala	His	Ile	Lys	Lys	Phe	Thr	Phe	Val	Cys	Met
				275					280					285
Ala	Leu	Ser	Leu	Thr	Leu	Cys	Phe	Val	Met	Phe	Trp	Thr	Pro	Asn
				290					295					300
Val	Ser	Glu	Lys	Ile	Leu	Ile	Asp	Ile	Ile	Gly	Val	Asp	Phe	Ala
				305					310					315
Phe	Ala	Glu	Leu	Cys	Val	Val	Pro	Leu	Arg	Ile	Phe	Ser	Phe	Phe
				320					325					330
Pro	Val	Pro	Val	Thr	Val	Arg	Ala	His	Leu	Thr	Gly	Trp	Leu	Met

WO 00/23589

PCT/US99/24511

Thr Leu Lys Lys	335	Thr Phe Val Leu Ala	340	Pro Ser Ser Val Leu Arg	345
Ile Ile Val Leu	350	Ile Ala Ser Leu Val	355	Val Leu Pro Tyr Leu Gly	360
Val His Gly Ala	365	Thr Leu Gly Val Gly	370	Ser Leu Leu Ala Gly Phe	375
Val Gly Glu Ser	380	Thr Met Val Ala Ile	385	Ala Ala Cys Tyr Val Tyr	390
Arg Lys Gln Lys	395	Lys Lys Met Glu Asn	400	Glu Ser Ala Thr Glu Gly	405
Glu Asp Ser Ala	410	Met Thr Asp Met Pro	415	Pro Thr Glu Glu Val Thr	420
Asp Ile Val Glu	425	Met Arg Glu Glu Asn	430	Glu	435
	440		445		

&lt;210&gt; 9

&lt;211&gt; 73

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3620391CD1

&lt;400&gt; 9

Met Pro Arg Glu Arg Arg Glu Arg Asp Ala Lys Glu Arg Asp Thr	
1 5 10 15	
Met Lys Glu Asp Gly Gly Ala Glu Phe Ser Ala Arg Ser Arg Lys	
20 25 30	
Arg Lys Ala Asn Val Thr Val Phe Cys Arg Ile Gln Met Lys Lys	
35 40 45	
Trp Pro Lys Ser Thr Gly Arg Arg Trp Thr Ser Val Gly Ala Arg	
50 55 60	
Leu Gly Arg Met Met Gln Ser Val Gln Ala Pro Ala Pro	
65 70	

&lt;210&gt; 10

&lt;211&gt; 288

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3969860CD1

&lt;400&gt; 10

Met Ala Ala Leu Phe Gln Glu Ala Ser Ser Cys Pro Val Cys Ser	
1 5 10 15	
Asp Tyr Leu Glu Lys Pro Met Ser Leu Glu Cys Gly Cys Ala Val	
20 25 30	
Cys Leu Lys Cys Ile Asn Ser Leu Gln Lys Glu Pro His Gly Glu	
35 40 45	

WO 00/23589

PCT/US99/24511

Asp	Leu	Leu	Cys	Cys	Cys	Ser	Ser	Met	Val	Ser	Arg	Lys	Asn	Lys
			50						55					60
Ile	Arg	Arg	Asn	Arg	Gln	Leu	Glu	Arg	Leu	Ala	Ser	His	Ile	Lys
			65						70					75
Glu	Leu	Glu	Pro	Lys	Leu	Lys	Lys	Ile	Leu	Gln	Met	Asn	Pro	Arg
			80						85					90
Met	Arg	Lys	Phe	Gln	Val	Asp	Met	Thr	Leu	Asp	Ala	Asn	Thr	Ala
			95						100					105
Asn	Asn	Phe	Leu	Leu	Ile	Ser	Asp	Asp	Leu	Arg	Ser	Val	Arg	Ser
			110						115					120
Gly	Arg	Ile	Arg	Gln	Asn	Arg	Gln	Asp	Leu	Ala	Glu	Arg	Phe	Asp
			125						130					135
Val	Ser	Val	Cys	Ile	Leu	Gly	Ser	Pro	Arg	Phe	Thr	Cys	Gly	Arg
			140						145					150
His	Cys	Trp	Glu	Val	Asp	Val	Gly	Thr	Ser	Thr	Glu	Trp	Asp	Leu
			155						160					165
Gly	Val	Cys	Arg	Glu	Ser	Val	His	Arg	Lys	Gly	Arg	Ile	Gln	Leu
			170						175					180
Thr	Thr	Glu	Leu	Gly	Phe	Trp	Thr	Val	Ser	Leu	Arg	Asp	Gly	Gly
			185						190					195
Arg	Leu	Ser	Ala	Ser	Thr	Val	Pro	Leu	Thr	Phe	Leu	Phe	Val	Asp
			200						205					210
Arg	Lys	Leu	Gln	Arg	Val	Gly	Ile	Phe	Leu	Asp	Met	Gly	Met	Gln
			215						220					225
Asn	Val	Ser	Phe	Phe	Asp	Ala	Glu	Ser	Gly	Ser	His	Val	Tyr	Thr
			230						235					240
Phe	Arg	Ser	Val	Ser	Ala	Glu	Glu	Pro	Leu	Arg	Pro	Phe	Leu	Ala
			245						250					255
Pro	Ser	Val	Pro	Pro	Asn	Gly	Asp	Gln	Gly	Val	Leu	Ser	Ile	Cys
			260						265					270
Pro	Leu	Met	Asn	Ser	Gly	Thr	Thr	Asp	Ala	Pro	Val	Arg	Pro	Gly
			275						280					285
Glu	Ala	Lys												

&lt;210&gt; 11

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4286006CD1

&lt;400&gt; 11

Met	Ala	Lys	Phe	Gly	Val	His	Arg	Ile	Leu	Leu	Leu	Ala	Ile	Ser
1				5					10					15
Leu	Thr	Lys	Cys	Leu	Glu	Ser	Thr	Lys	Leu	Leu	Ala	Asp	Leu	Lys
				20					25					30
Lys	Cys	Gly	Asp	Leu	Glu	Cys	Glu	Ala	Leu	Ile	Asn	Arg	Val	Ser
				35					40					45
Ala	Met	Arg	Asp	Tyr	Arg	Gly	Pro	Asp	Cys	Arg	Tyr	Leu	Asn	Phe
				50					55					60
Thr	Lys	Gly	Glu	Glu	Ile	Ser	Val	Tyr	Val	Lys	Leu	Ala	Gly	Asp



WO 00/23589

PCT/US99/24511

Thr Arg Ile Ala	290	295	300
Phe Lys Val Gln Gln Lys Arg Leu Thr Lys Thr			
305	310	315	
Ser Arg Cys Gly Pro Trp Ala Arg Phe Cys Asn Arg Phe Val Asp			
320	325	330	
Thr Trp Ala Arg Asp Glu Asp Thr Val Leu Lys His Leu Arg Ala			
335	340	345	
Ser Met Lys Lys Leu Thr Arg Lys Gln Gly Asp Leu Pro Pro Pro			
350	355	360	
Ala Lys Pro Glu Gln Gly Ser Ser Ala Ser Arg Pro Val Pro Ala			
365	370	375	
Ser Arg Gly Gly Lys Thr Leu Cys Lys Gly Asp Arg Gln Ala Pro			
380	385	390	
Pro Gly Pro Pro Ala Arg Phe Pro Arg Pro Ile Trp Ser Ala Ser			
395	400	405	
Pro Pro Arg Ala Pro Arg Ser Ser Thr Pro Cys Pro Gly Gly Ala			
410	415	420	
Val Arg Glu Asp Thr Tyr Pro Val Gly Thr Gln Gly Val Pro Ser			
425	430	435	
Pro Ala Leu Ala Gln Gly Gly Pro Gln Gly Ser Trp Arg Phe Leu			
440	445	450	
Gln Trp Asn Ser Met Pro Arg Leu Pro Thr Asp Leu Asp Val Glu			
455	460	465	
Gly Pro Trp Phe Arg His Tyr Asp Phe Arg Gln Ser Cys Trp Val			
470	475	480	
Arg Ala Ile Ser Gln Glu Asp Gln Leu Ala Pro Cys Trp Gln Ala			
485	490	495	
Glu His Pro Ala Glu Arg Val Arg Ser Ala Phe Ala Ala Pro Ser			
500	505	510	
Thr Asp Ser Asp Gln Gly Thr Pro Phe Arg Ala Arg Asp Glu Gln			
515	520	525	
Pro Cys Ala Pro Thr Ser Gly Pro Cys Leu Cys Gly Leu His Leu			
530	535	540	
Glu Ser Ser Gln Phe Pro Pro Gly Phe			
545			

<210> 13  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1438978CD1

<400> 13  
 Met Ser Phe Leu Leu Pro Lys Leu Thr Ser Lys Lys Glu Val Asp  
 1 5 10 15  
 Gln Ala Ile Lys Ser Thr Ala Glu Lys Val Leu Val Leu Arg Phe  
 20 25 30  
 Gly Arg Asp Glu Asp Pro Val Cys Leu Gln Leu Asp Asp Ile Leu  
 35 40 45  
 Ser Lys Thr Ser Ser Asp Leu Ser Lys Met Ala Ala Ile Tyr Leu  
 50 55 60

WO 00/23589

PCT/US99/24511

Val	Asp	Val	Asp	Gln	Thr	Ala	Val	Tyr	Thr	Gln	Tyr	Phe	Asp	Ile
				65						70				75
Ser	Tyr	Ile	Pro	Ser	Thr	Val	Phe	Phe	Phe	Asn	Gly	Gln	His	Met
				80						85				90
Lys	Val	Asp	Tyr	Gly										
				95										

&lt;210&gt; 14

&lt;211&gt; 445

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2024773CD1

&lt;400&gt; 14

Met	Ala	Ala	Pro	Glu	Glu	Arg	Asp	Leu	Thr	Gln	Glu	Gln	Thr	Glu
1				5					10					15
Lys	Leu	Leu	Gln	Phe	Gln	Asp	Leu	Thr	Gly	Ile	Glu	Ser	Met	Asp
				20					25					30
Gln	Cys	Arg	His	Thr	Leu	Glu	Gln	His	Asn	Trp	Asn	Ile	Glu	Ala
				35					40					45
Ala	Val	Gln	Asp	Arg	Leu	Asn	Glu	Gln	Glu	Gly	Val	Pro	Ser	Val
				50					55					60
Phe	Asn	Pro	Pro	Pro	Ser	Arg	Pro	Leu	Gln	Val	Asn	Thr	Ala	Asp
				65					70					75
His	Arg	Ile	Tyr	Ser	Tyr	Val	Val	Ser	Arg	Pro	Gln	Pro	Arg	Gly
				80					85					90
Leu	Leu	Gly	Trp	Gly	Tyr	Tyr	Leu	Ile	Met	Leu	Pro	Phe	Arg	Phe
				95					100					105
Thr	Tyr	Tyr	Thr	Ile	Leu	Asp	Ile	Phe	Arg	Phe	Ala	Leu	Arg	Phe
				110					115					120
Ile	Arg	Pro	Asp	Pro	Arg	Ser	Arg	Val	Thr	Asp	Pro	Val	Gly	Asp
				125					130					135
Ile	Val	Ser	Phe	Met	His	Ser	Phe	Glu	Glu	Lys	Tyr	Gly	Arg	Ala
				140					145					150
His	Pro	Val	Phe	Tyr	Gln	Gly	Thr	Tyr	Ser	Gln	Ala	Leu	Asn	Asp
				155					160					165
Ala	Lys	Arg	Glu	Leu	Arg	Phe	Leu	Leu	Val	Tyr	Leu	His	Gly	Asp
				170					175					180
Asp	His	Gln	Asp	Ser	Asp	Glu	Phe	Cys	Arg	Asn	Thr	Leu	Cys	Ala
				185					190					195
Pro	Glu	Val	Ile	Ser	Leu	Ile	Asn	Thr	Arg	Met	Leu	Phe	Trp	Ala
				200					205					210
Cys	Ser	Thr	Asn	Lys	Pro	Glu	Gly	Tyr	Arg	Val	Ser	Gln	Ala	Leu
				215					220					225
Arg	Glu	Asn	Thr	Tyr	Pro	Phe	Leu	Ala	Met	Ile	Met	Leu	Lys	Asp
				230					235					240
Arg	Arg	Met	Thr	Val	Val	Gly	Arg	Leu	Glu	Gly	Leu	Ile	Gln	Pro
				245					250					255
Asp	Asp	Leu	Ile	Asn	Gln	Leu	Thr	Phe	Ile	Met	Asp	Ala	Asn	Gln
				260					265					270
Thr	Tyr	Leu	Val	Ser	Glu	Arg	Leu	Glu	Arg	Glu	Glu	Arg	Asn	Gln
				275					280					285



WO 00/23589

PCT/US99/24511

```

Thr Gln Val Leu Arg Gln Gln Gln Asp Glu Ala Tyr Leu Ala Ser
290 295 300
Leu Arg Ala Asp Gln Glu Lys Glu Arg Lys Lys Arg Glu Glu Arg
305 310 315
Glu Arg Lys Arg Arg Lys Glu Glu Glu Val Gln Gln Gln Lys Leu
320 325 330
Ala Glu Glu Arg Arg Arg Gln Asn Leu Gln Glu Glu Lys Glu Arg
335 340 345
Lys Leu Glu Cys Leu Pro Pro Glu Pro Ser Pro Asp Asp Pro Glu
350 355 360
Ser Val Lys Ile Ile Phe Lys Leu Pro Asn Asp Ser Arg Val Glu
365 370 375
Arg Arg Phe His Phe Ser Gln Ser Leu Thr Val Ile His Asp Phe
380 385 390
Leu Phe Ser Leu Lys Glu Ser Pro Glu Lys Phe Gln Ile Glu Ala
395 400 405
Asn Phe Pro Arg Arg Val Leu Pro Cys Ile Pro Ser Glu Glu Trp
410 415 420
Pro Asn Pro Pro Thr Leu Gln Glu Ala Gly Leu Ser His Thr Glu
425 430 435
Val Leu Phe Val Gln Asp Leu Thr Asp Glu
440 445

```

&lt;210&gt; 15

&lt;211&gt; 219

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3869790CD1

&lt;400&gt; 15

```

Met Glu Tyr Leu Ser Ala Leu Asn Pro Ser Asp Leu Leu Arg Ser
1 5 10 15
Val Ser Asn Ile Ser Ser Glu Phe Gly Arg Arg Val Trp Thr Ser
20 25 30
Ala Pro Pro Pro Gln Arg Pro Phe Arg Val Cys Asp His Lys Arg
35 40 45
Thr Ile Arg Lys Gly Leu Thr Ala Ala Thr Arg Gln Glu Leu Leu
50 55 60
Ala Lys Ala Leu Glu Thr Leu Leu Leu Asn Gly Val Leu Thr Leu
65 70 75
Val Leu Glu Glu Asp Gly Thr Ala Val Asp Ser Glu Asp Phe Phe
80 85 90
Gln Leu Leu Glu Asp Asp Thr Cys Leu Met Val Leu Gln Ser Gly
95 100 105
Gln Ser Trp Ser Pro Thr Arg Ser Gly Val Leu Ser Tyr Gly Leu
110 115 120
Gly Arg Glu Arg Pro Lys His Ser Lys Asp Ile Ala Arg Phe Thr
125 130 135
Phe Asp Val Tyr Lys Gln Asn Pro Arg Asp Leu Phe Gly Ser Leu
140 145 150
Asn Val Lys Ala Thr Phe Tyr Gly Leu Tyr Ser Met Ser Cys Asp

```



260	265	270
Leu Pro Leu Phe Lys Arg Gln Tyr Glu Asn His Ile Phe Val Gly		
275	280	285
Ser Lys Thr Ala Asp Pro Cys Cys Tyr Gly His Thr Gln Phe His		
290	295	300
Leu Leu Pro Asp Lys Leu Arg Arg Glu Arg Leu Leu Arg Gln Asn		
305	310	315
Cys Ala Asp Gln Ile Glu Val Val Phe Arg Ala Asn Ala Ile Ala		
320	325	330
Ser Leu Phe Ala Trp Thr Gly Ala Gln Ala Met Tyr Gln Gly Phe		
335	340	345
Trp Ser Glu Ala Asp Val Thr Arg Pro Phe Val Ser Gln Ala Val		
350	355	360
Ile Thr Asp Gly Lys Tyr Phe Ser Phe Phe Cys Tyr Gln Leu Asn		
365	370	375
Thr Leu Ala Leu Thr Thr Gln Ala Asp Gln Asn Asn Pro Arg Lys		
380	385	390
Asn Ile Cys Trp Gly Thr Gln Ser Lys Pro Leu Tyr Glu Thr Ile		
395	400	405
Glu Asp Asn Asp Val Lys Gly Phe Asn Asp Asp Val Leu Leu Gln		
410	415	420
Ile Val His Phe Leu Leu Asn Arg Pro Lys Glu Glu Lys Ser Gln		
425	430	435
Leu Leu Glu Asn		

&lt;210&gt; 17

&lt;211&gt; 526

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 411831CD1

&lt;400&gt; 17

Met Ala Ser Gly Pro His Ser Thr Ala Thr Ala Ala Ala Ala Ala		
1	5	10
Ser Ser Ala Ala Pro Ser Ala Gly Gly Ser Ser Ser Gly Thr Thr		
20	25	30
Thr Thr Thr Thr Thr Thr Thr Gly Gly Ile Leu Ile Gly Asp Arg		
35	40	45
Leu Tyr Ser Glu Val Ser Leu Thr Ile Asp His Ser Leu Ile Pro		
50	55	60
Glu Glu Arg Leu Ser Pro Thr Pro Ser Met Gln Asp Gly Leu Asp		
65	70	75
Leu Pro Ser Glu Thr Asp Leu Arg Ile Leu Gly Cys Glu Leu Ile		
80	85	90
Gln Ala Ala Gly Ile Leu Leu Arg Leu Pro Gln Val Ala Met Ala		
95	100	105
Thr Gly Gln Val Leu Phe His Arg Phe Phe Tyr Ser Lys Ser Phe		
110	115	120
Val Lys His Ser Phe Glu Ile Val Ala Met Ala Cys Ile Asn Leu		
125	130	135
Ala Ser Lys Ile Glu Glu Ala Pro Arg Arg Ile Arg Asp Val Ile		

WO 00/23589

PCT/US99/24511

				140					145				150
Asn	Val	Phe	His	His	Leu	Arg	Gln	Leu	Arg	Gly	Lys	Arg	Thr
				155					160				165
Ser	Pro	Leu	Ile	Leu	Asp	Gln	Asn	Tyr	Ile	Asn	Thr	Lys	Asn
				170					175				180
Val	Ile	Lys	Ala	Glu	Arg	Arg	Val	Leu	Lys	Glu	Leu	Gly	Phe
				185					190				195
Val	His	Val	Lys	His	Pro	His	Lys	Ile	Ile	Val	Met	Tyr	Leu
				200					205				210
Val	Leu	Glu	Cys	Glu	Arg	Asn	Gln	Thr	Leu	Val	Gln	Thr	Ala
				215					220				225
Asn	Tyr	Met	Asn	Asp	Ser	Leu	Arg	Thr	Asn	Val	Phe	Val	Arg
				230					235				240
Gln	Pro	Glu	Thr	Ile	Ala	Cys	Ala	Cys	Ile	Tyr	Leu	Ala	Ala
				245					250				255
Ala	Leu	Gln	Ile	Pro	Leu	Pro	Thr	Arg	Pro	His	Trp	Phe	Leu
				260					265				270
Phe	Gly	Thr	Thr	Glu	Glu	Glu	Ile	Gln	Glu	Ile	Cys	Ile	Glu
				275					280				285
Leu	Arg	Leu	Tyr	Thr	Arg	Lys	Lys	Pro	Asn	Tyr	Glu	Leu	Leu
				290					295				300
Lys	Glu	Val	Glu	Lys	Arg	Lys	Val	Ala	Leu	Gln	Glu	Ala	Lys
				305					310				315
Lys	Ala	Lys	Gly	Leu	Asn	Pro	Asp	Gly	Thr	Pro	Ala	Leu	Ser
				320					325				330
Leu	Gly	Gly	Phe	Ser	Pro	Ala	Ser	Lys	Pro	Ser	Ser	Pro	Arg
				335					340				345
Val	Lys	Ala	Glu	Glu	Lys	Ser	Pro	Ile	Ser	Ile	Asn	Val	Lys
				350					355				360
Val	Lys	Lys	Glu	Pro	Glu	Asp	Arg	Gln	Gln	Ala	Ser	Lys	Ser
				365					370				375
Tyr	Asn	Gly	Val	Arg	Lys	Asp	Ser	Lys	Arg	Ser	Arg	Asn	Ser
				380					385				390
Ser	Ala	Ser	Arg	Ser	Arg	Ser	Arg	Thr	Arg	Ser	Arg	Ser	Arg
				395					400				405
His	Thr	Pro	Arg	Arg	His	Tyr	Asn	Asn	Arg	Arg	Ser	Arg	Ser
				410					415				420
Thr	Tyr	Ser	Ser	Arg	Ser	Arg	Ser	Arg	Ser	Arg	Ser	His	Ser
				425					430				435
Ser	Pro	Arg	Arg	His	His	Asn	His	Gly	Ser	Pro	His	Leu	Lys
				440					445				450
Lys	His	Thr	Arg	Asp	Asp	Leu	Lys	Ser	Ser	Asn	Arg	His	Gly
				455					460				465
Lys	Arg	Lys	Lys	Ser	Arg	Ser	Arg	Ser	Gln	Ser	Lys	Ser	Arg
				470					475				480
His	Ser	Asp	Ala	Ala	Lys	Lys	His	Arg	His	Glu	Arg	Gly	His
				485					490				495
Arg	Asp	Arg	Arg	Glu	Arg	Ser	Arg	Ser	Phe	Glu	Arg	Ser	His
				500					505				510
Ser	Lys	His	His	Gly	Gly	Ser	Arg	Ser	Gly	His	Gly	Arg	His
				515					520				525

Arg

&lt;210&gt; 18





WO 00/23589

PCT/US99/24511

ctgcacggcc	ctgcccagga	gaactcagca	ctgcctggac	ggtgaggctc	agcttctgag	300
ctgagggctc	tatcaggcct	ggaagtggac	cctggggagg	ggtggggcag	ggtagtctg	360
ataagtcccta	ggactgttcg	cttccgggtt	ctgagccctg	gcgtcaggga	ggaagggcat	420
gtccagaaca	atggccagaa	ccaggcccgg	ccagctcggg	cgggtgacgg	ggcggggtgg	480
ctggggcagc	gctgccgtgt	gcaggggccc	agccctgcgg	ggccgtgagc	cggccctgcc	540
ttctgcttcc	ttcccagatg	tagccgcctg	tcccgggagc	ctggactgtg	ccctgaagag	600
gcgggcaagg	tgtcctcctg	gtgcacatgc	ctgtgggccc	tgccttcagc	ccttccagga	660
ggaccagcaa	gggctctgtg	tgcccaggat	gcgcggcct	ccaggcgggg	gccggcccca	720
gcccagactg	gaagatgaga	ttgacttcct	ggcccaggag	cttgcccggg	aggagtctgg	780
acactcaact	ccgcccctac	ccaaggaccg	acagcggctc	ccggagcctg	ccaccctggg	840
cttctcggca	cgggggaggg	ggctggagct	gggcctcccc	tccactccag	gaacccccac	900
gcccacgccc	cacacctccc	tgggctcccc	tgtgtcatcc	gaccgggtgc	acatgtcgcc	960
cctggagccc	cggggagggc	aaggcgacgg	cctcgccctt	gtgctgatcc	tggcgttctg	1020
tgtggccggt	gcagccgccc	tctccgtagc	ctccctctgc	tgggtcaggc	tcagcgtga	1080
gatccgcctg	actcagaagg	ccgactacgc	caactgcgaag	gcccctggct	cacctgcagc	1140
tccccggatc	tcgctggggg	accagcggct	ggcacagagc	gcggagatgt	accactacca	1200
gcaccaacgg	caacagatgc	tgtgcctgga	gcggcataaa	gagccacca	aggagctgga	1260
cacggcctcc	tcggatgagg	agaatgagga	cggagacttc	acggtgtacg	agtggccggg	1320
cctggccccc	accggggaaa	tggaggtgcg	caaccctctg	ttcgaccacg	ccgactgtc	1380
cgcgcccctg	ccggccccca	gctcacgcgc	tgcactgcca	tgacctggag	gcagacagac	1440
gcccacctgc	tccccgacct	cgaggccccc	ggggaggggc	agggcctgga	gcttcccact	1500
aaaaacatgt	tttgatgctg	tgtgcttttg	gctgggcctc	gggctccagg	ccctgggacc	1560
ccttgccagg	gagacccccg	aacctttgtg	ccaggacacc	tcctggtccc	ctgcacctct	1620
cctgttcggt	ttagaccccc	aaactggagg	gggcatggag	aaccgtagag	cgcaggaaacg	1680
ggtgggtaat	tctagagaca	aaagccaatt	aaagtccatt	tcagacctgc	aaaaaaaaaa	1740
aaaaaagg						1748

<210> 21

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1880041CB1

<400> 21

ccgcagtctc	tgtgcgttga	agccgggagac	cgcggcgggcc	tcagcgagga	ccctccgccc	60
cggagccgcc	ggccggagcc	gcagcctctg	ccgcagcgcc	cccgccacct	gtccccctccc	120
cctccgcctc	cgcgggagcc	gcctcgtgca	ctctggggta	tggccgtcaa	tgtgtactcc	180
acatctgtga	ccagtgaaaa	tctgagtcgc	catgatatgc	ttgcatgggt	caacgactcc	240
ctgcacctca	actataccaa	gatagaacag	ctttgttcag	gggcagccta	ctgccagttc	300
atggacatgc	tcttccccgg	ctgtgtgcac	ttgaggaaag	tgaagtcca	ggccaaacta	360
gagcatgaat	acatccacaa	cttcaagggtg	ctgcaagcag	ctttcaagaa	gatgggtggt	420
gacaaaatca	ttcctgtaga	gaaattagtg	aaaggaaaaat	tccaagataa	ttttgagttt	480
attcagtggg	ttaagaaatt	ctttgacgca	aactatgatg	gaaaggatta	caaccctctg	540
ctggcgcggc	agggccagga	cgtagcgcca	cctcctaacc	cagggtgatca	gatcttcaac	600
aaatccaaga	aactcattgg	cacagcagtt	ccacagagga	cgtccccccac	aggcccaaaa	660
aacatgcaga	cctctggccg	gctgagcaat	gtggcccccc	cctgcattct	ccggaagaat	720
cctccatcag	cccgaaatgg	cggccatgag	actgatgccc	aaattcttga	actcaaccaa	780
cagctgggtg	acttgaagct	gacagtggat	gggctggaga	aggaacgtga	cttctacttc	840
agcaaacttc	gtgacatcga	gctcatctgc	caggagcatg	aaagtgaaaa	cagccctgtt	900
atctcaggca	tattggcat	cctctatgcc	acagaggaag	gattcgcacc	ccctgaggac	960
gatgagattg	aagagcatca	acaagaagac	caggacgagt	actgagggcg	gccgca	1016





WO 00/23589

PCT/US99/24511

```
ccaggtggac taaacactcc ataccaggt ggaatgacgc caggactgat gacacctggc 840
acaggtgagc tggacatgag gaagattggc caagcgagga acactctgat ggacatgagg 900
ctgagccagg tgtctgactc cgtgagtggg cagaccgtcg ttgaccccaa aggctacctg 960
acggatttaa attccatgat cccgacacac ggaggagaca tcaatgatat caagaaggcg 1020
cgactgctcc tcaagtctgt tcgggagacg aaccctcatc acccgccagc ctggattgca 1080
tcagcccggc tggagaaggt cactgggaag ctacaagtag ctcggaacct tatcatgaag 1140
gggacggaga tgtgccccaa gagtgaagat gtctggctgg aagcagccag gttgcagcct 1200
ggggacacag ccaaggccgt ggtagcccaa gctgtccgtc atctcccaca gtctgtcagg 1260
atttacatca gagccgcaga gctggaaacg gacattcgtg caaagaagcg ggttcttcgg 1320
aaagccctcg agcatgttcc aaactcgggt cgcttctgga aagcagccgt tgagctggaa 1380
gaacctgaag atgctagaat catgctgagc cgagctgtgg agtgctgccc caccagcgtg 1440
aaggctctggc ttgctctggc aaggctggag acctatgaaa atgcccgcaa ggtcttgaac 1500
aaggcgcggg agaacattcc tacagaccga catatctgga tcacggctgc taagctggag 1560
gaagccaatg ggaacacgca gatggtggag aagatcatcg accgagccat cacctcgtg 1620
cgggccaacg gtgtggagat caaccgtgag cagtggatcc aggatgccga ggaatgtgac 1680
agggctggga gtgtggccac ctgccaggcc gtcattgctg ccgtgattgg gattgggatt 1740
gaggaggaag atcggaagca tacctggatg gaggatgctg acagtttgtt agcccacaat 1800
gccctggagt gtgcacgagc catctacgcc tacgccctgc aggtgttccc cagcaagaag 1860
agtgtgtggc tgcgcgcgcg gtacttcgag aagaaccatg gcaactcgga gtccctggaa 1920
gcaactcctg agagggctgt ggcccactgc ccaaagcag aggtgctgtg gctcatgggc 1980
gccaagtcca agtggctggc aggggatgtg cctgcagcaa ggagcatcct ggccctggcc 2040
ttccaggcca accccaacag tgaggagatc tggctggcag ccgtgaagct ggagtcagag 2100
aatgatgagt acgagcgggc cggagggtg ctggccaagg cgcggagcag tgccccacc 2160
gcccgggtgt tcatgaagtc tgtgaagctg gagtgggtgc aagacaacat cagggcagcc 2220
caagatctgt gcgaggaggc cctgcggcac tatgaggact tccccagct gtggatgatg 2280
aaggggcaga tcgaggagca gaaggagatg atggagaagg cgcgggaagc ctataaccag 2340
gggttgaaga agtgtcccca ctccacaccc ctgtggcttt tgctctctcg gctggaggag 2400
aagattgggc agcttactcg agcacgggccc attttgaaa agtctcgtct gaagaaccca 2460
aagaaccctg ggctgtggtt ggagtccgtg cggctggagt accgtgcggg gctgaagaac 2520
atcgcaaata cactcatggc caaggcgtg caggagtgc ccaactccgg tatcctgtgg 2580
tctgaggcca tcttcctcga ggcaaggccc cagaggagga ccaagagcgt ggatgccctg 2640
aagaagtgtg agcatgaccc ccatgtgctc ctggccgtgg ccaagctgtt ttggagtcag 2700
cggaagatca ccaaggccag ggagtgggtc caccgcactg tgaagattga ctcggaacctg 2760
gggatgocct gggccttctt ctacaagttt gagctgcagc atggcactga ggagcagcag 2820
gaggaggtga ggaagcgtg tgagagtga gagcctcggc atggggagct gtggtgcgcc 2880
gtgtccaagg acatcgccaa ctggcagaag aagatcgggg acatccttag gctggtggcc 2940
ggcgcacatc agaacacctt ctgattgagc ggttgccatg gccggtctcc gtggggcagg 3000
gttgggcccg atgtggaagg gctctgagct gtgtcctcct tcattaaaag tttttatgtc 3060
tcgtgtcaga aaaaaaaaaa aaaa 3084
```

<210> 24

<211> 3315

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2125677CB1

<400> 24

```
acttattccc acttggaaact ggatgggtcag tattatggat tctactgaag ctcaattacg 60
ttatgggttct gcattagcat ctgctgggtga tcctggacat ccaaagcatc ctcttcacga 120
ttctcagaat tcagcgagaa gagagaggat gactgcgcga gaagaagcta gcttacgaac 180
acttgaaggc agacgacgtg ccaccttgct tagcgcccgt caaggaatga tgtctgcacg 240
```

WO 00/23589

PCT/US99/24511

```

aggagacttc ctaaattatg ctctgtctct aatgCGgtct cataatgatg agcatttctga 300
tgttcttcca gttttggatg tttgtcatt gaagcatgtg gcatatgttt ttcaagcact 360
tatatactgg attaaggcaa tgaatcagca gacaacattg gatacacctc aactagaacg 420
caaaaggacg cgagaactct tggaaactggg tattgataat gaagattcag aacatgaaaa 480
tgatgatgac accaatcaaa gtgctacttt gaatgataag gatgatgact ctcttcctgc 540
agaaactggc caaaaccatc catttttccg acgttcagac tccatgacat tccttggttg 600
tatacccca aatccatttg aagtgcctct ggctgaagcc atcccccttg ctgatcagcc 660
acatctgttg cagccaaatg ctagaaagga ggatcttttt ggccgtccaa gtcagggtct 720
ttattcttca tctgccagta gtgggaaatg tttaatggag gttacagtgg atagaaactg 780
cctagagggt cttccaacaa aaatgtctta tgctgccaat ctgaaaaatg taatgaacat 840
gcaaaaccgg caaaaaaaag aaggggaaga acagcccggt ctgccagaag aaactgagag 900
ttcaaaacca gggccatctg ctcatgatct tgctgcacaa ttaaaaagta gcttactagc 960
agaaatagga cttactgaaa gtgaagggcc acctctcaca tctttcaggc cacagtgtag 1020
ctttatggga atgggtattt cccatgatat gctgctagga cgttgccgcc tttcttttag 1080
actgttcggc aggggtattt tggagatgt tggagcagaa cctggatcaa tcttaactga 1140
attgggtggt tttgaggtaa aagaatcaaa attccgcaga gaaatgaaa aactgagaaa 1200
ccagcagtc aagagatttg cactagagggt aaagggtgat cgggatcgag atcttctcat 1260
tcagcagact atgaggcagc ttaacaatca ctttggtcga agatgtgcta ctacaccaat 1320
ggctgtacac agagtaaaag tcacatttaa ggatgagcca ggagagggca gtggtgtagc 1380
acgaagtgtt tatacagcca ttgcacaagc atttttatca aatgaaaaat tgccaaatct 1440
agagtgtatc caaatgcca acaaaggcac ccacacaagt ttaatgcaga gattaaggaa 1500
ccgaggagag agagaccggg aaagggagag agaaagggaa atgaggagga gtagtggttt 1560
gagagcaggt tctcggaggg accgggatag agactttaga agacagcttt ccatcgacac 1620
taggcccctt agaccagcct ctgaagggaa tcctagcgat gatcctgagc ctttgccagc 1680
acatcggcag gcacttgagg agaggcttta tcctcgtgta caagcaatgc aaccagcatt 1740
tgcaagtaaa atcactggca tgttggtgga attatcccca gctcagctgc ttctccttct 1800
agcaagttag gattctctga gagcaagagt ggatgaggcc atggaactca ttattgcaca 1860
tggacgggaa aatggagctg atagtatcct ggatcttgga ttagtagact cctcagaaaa 1920
ggtacagcag gaaaaccgaa agcgccatgg ctctagtcga agtgtagtag atattgattt 1980
agatgataca gatgatggtg atgacaatgc ccctttgttt taccaacctg ggaaaagagg 2040
attttatact ccaaggcctg gcaagaacac agaagcaagg ttgaattggt tcagaaacat 2100
tggcaggatt cttggactat gtctgttaca gaatgaacta tgtcctatca cattgaatag 2160
acatgtaatt aaagtattgc ttggtagaaa agtcaattgg catgattttg ctttttttga 2220
tcctgtaatg tatgagagtt tgccgcaact aatcctcgcg tctcagagtt cagatgctga 2280
tgctgttttc tcagcaatgg atttggcatt tgcaattgac ctgtgtaaag aagaagggtg 2340
aggacagggt gaactcattc ctaatggtgt aaatatacca gtcactccac agaattgtata 2400
tgagtatgtg cggaaatacg cagaacacag aatgttggtg gttgcagaac agcccttaca 2460
tgcaatgagg aaaggctctac tagatgtgct tccaaaaaat tcattagaag atttaacggc 2520
agaagatttt aggccttttg taaatggctg cgggtgaagtc aatgtgcaaa tgctgatcag 2580
ttttacctct ttcaatgatg aatcaggaga aaatgctgag aagcttctgc agttcaagcg 2640
ttggttctg tcaatagtag agaagatgag catgacagaa cgacaagatc ttgtttactt 2700
ttggacatca agcccatcac tgccagccag tgaagaagga ttccagccta tgccctcaat 2760
cacaataaga ccaccagatg accaacatct tcctactgca aatacttgca tttctcgact 2820
ttacgtccca ctctattcct ctaaacagat tctcaaacag aaattgttac tcgccattaa 2880
gaccaagaat tttggttttg tgtagatgat aaaaagtgtg tattgctgtg taatattact 2940
agcaaatttt gtagattttt ttccatttgt ctataaaagt ttatggaagt taatgctgtc 3000
atacccccct ggtggtacct taaagagata aaatgcagac attccttgct gagttttatag 3060
cttaaaggcc taaggagcac tagcaacatt tggtatatatt ggtttgctag tcaccaactt 3120
ctgggtctaa cccagccaa agatgacagc agaacaacat aatttacact gtgatttatc 3180
tttttgctga gggggaaaaa atgtaaatgt tctgaaaatt cactgctgcc tttgtggaaa 3240
ctgtttcagc aaaggttctt gtatagaggg aatagggaat ttcaaaaataa aaaattaagt 3300
atgaaaaaaa aaaa 3315

```

<210> 25

<211> 1677

<212> DNA

<213> Homo sapiens

$\langle 220 \rangle$

```
<221> misc_feature
```

<223> Incyte ID No: 2603810CB1

<400> 25

tgggagggggg	cgggaattcc	cgactctagg	cgggaagcgc	gcggagacca	tgtagtgaga	60
ccctcgcgag	gtctgagagt	cactggagct	accagaagca	tcatggggcc	ctggggagag	120
ccagagctcc	tgggtgtggcg	ccccgaggcg	gtagcttcag	agcctccagt	gcctgtgggg	180
ctggaggtga	agttgggggc	cctggtgctg	ctgctggtgc	tcacctcct	ctgcagcctg	240
gtgcccattct	gtgtgctgcg	ccggccagga	gctaaccatg	aaggctcagc	ttcccgccag	300
aaagccctga	gcctagtaag	ctgtttcgcg	gggggcgctct	ttttggccac	ttgtctcctg	360
gacctgctgc	ctgactacct	ggctgccata	gatgaggccc	tggcagcctt	gcacgtgacg	420
ctccagttcc	cactgcaaga	gttcattcctg	gccatgggct	tcttcctggg	cctgggtgatg	480
gagcagatca	cactggctta	caaggagcag	tcagggcgct	cacctctgga	ggaaacaagg	540
gctctgctgg	gaacagtga	tgggtgggccc	cagcattggc	atgatgggcc	aggggtccca	600
caggcgagtg	gagccccga	acacccctca	gccttgcgctg	cctgtgtact	ggtgtttctcc	660
ctggccctcc	actccgtggt	cgaggggctg	gcggttagggc	tgcagcgaga	ccgggctcgg	720
gccatggagc	tgtgcctggc	tttgctgctc	cacaagggca	tctggctgtg	cagctgtgtcc	780
ctgcggctgt	tgcagagcca	ccttagggca	caggtggtgg	ctggctgtgg	gatcctcttc	840
tcatgcatga	cacctctagg	catcgggctg	gggtgcagctc	tggcagagtc	ggcaggacct	900
ctgcaccagc	tggcccagtc	tgtgctagag	ggcatggcag	ctggcacctt	tctctatatc	960
acctttctgg	aaatcctgcc	ccaggagctg	gccagttctg	agcaaaggat	cctcaaggctc	1020
attctgctcc	tagcaggctt	tgccttctc	actggcctgc	tcttcattcca	aattctagggg	1080
gcttcaagag	aggggcaggg	gagattgatg	atcaggtgcc	cctgtttctcc	cttccctccc	1140
ccagttgtgg	ggaataggaa	ggaaagggga	agggaaatac	tgaggaccaa	aaagtctctc	1200
gggagctaaa	gatagagcct	ttggggctat	ctgactaatg	agaggggaagt	gggcagacaa	1260
gaggctggcc	ccagtcccaa	ggaacaagag	atggtcaagt	cgctagagac	atatcagggg	1320
acattaggat	tggggaagac	acttgactgc	tagaatcaga	ggttggacac	tatacataag	1380
gacaggctca	catgggaggc	tggaggtggg	taccagctg	ctgtggaacg	ggtatggaga	1440
ggtcataaac	ctagagctag	gtctcgtgtg	gtccatgcc	atttcagcac	cctgccacct	1500
ggagtggacc	cctcctactc	ttcttagcgc	ctacctcat	acctatctcc	ctcctcccat	1560
ctcctagggg	actggcgcca	aatggtctct	ccctgccaat	tttggtaatc	tctctggcct	1620
ctccagtcct	gcttactccc	ctattttttaa	agtgccaaac	aatcccttcc	ctcttttc	1677

<210> 26

<211> 997

<212> DNA

<213> Homo sapiens

**<220>**

&lt;221&gt; misc feature

<223> Incyte ID No: 2715761CB1

<400> 26

gcgacccttg	ttcaacgcgc	ttggcgaaaca	gctgctggag	gtgccgagaa	tctgagtttc	60
ggcaagcagc	caggtctgga	aactaatatt	ttaaaaaatga	ctacacccaaa	caagacacct	120
cctggtgctg	accccaagca	gttggaaaagg	actggaacag	tacgggaaat	tgggtcacia	180
gctgtttggt	catctctcat	ttgcaaaacca	ggattttggag	tggatcagtt	acgagatgatc	240
aatctagaaa	cttattggca	atcagatggt	tccagccttc	atttagtgaa	catccaatgc	300
agaagaaaaa	caacagtgaa	gacatttatgt	atttatgcag	actacaaaatc	tqatqaaaagc	360

WO 00/23589

PCT/US99/24511

```

tatactccaa gcaagatctc agtcagagta ggaaataaatt ttcacaaacct tcaagaaatt 420
cggcaacttg agttggtgga accaagtggc tggattcatg ttcccttaac tgacaatcat 480
aagaagccaa ctcgtagatt catgatacag attgctgttc tagccaatca ccagaatgga 540
agagacaccc atatgagaca aattaaaata tacacaccag tagaagagag ctccattggt 600
aaatttccta gatgtacaac tatagatttc atgatgtatc gttcaataag gtgactttta 660
aatgagacga aaatcattaa acgtatcttt gttttatcct gtattttaa aatatatcat 720
gtacctttat tgaacaaggc atccgttata tctaattttg tatatgttta aaaatatttt 780
attgtaactt tgacaaataa atttgggggc atattatctt tattttcttt aacatgtaat 840
aaagctcaca tattttacat tactaaaaat ggatttgaag ccaatcattt tattttccct 900
tgtatcaaaa gaaaagagtt cttgtatca aaagaaaaga gttgaactga aaatttcagt 960
atatacacia ttataatagc taggtgatta ttccatt 997

```

&lt;210&gt; 27

&lt;211&gt; 1481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3255641CB1

&lt;400&gt; 27

```

ctgatccggt tcttggtgcc cctgggcatc accaacatag ccatcgactt cggggagcag 60
gccttgaacc ggggcattgc tgctgtcaag gaggatgcag tcgagatgct ggccagctac 120
gggctggcgt actccctcat gaagttcttc acgggtocca tgagtgactt caaaaatgtg 180
ggcctgggtg ttgtgaacag caagagagag aggaccaaag ccgtcctgtg tatggtggtg 240
gcaggggcca tcgctgccgt ctttcacaca ctgatatgct atagtgattt aggatactac 300
attatcaata aactgcacca tgtggacgag tgggtgggga gcaagacgag aagggccttc 360
ctgtacctcg ccgcctttcc tttcatggac gcaatggcat ggacccatgc tggcattctc 420
ttaaacaaca aatacagttt cctgggtggga tgtgcctcaa tctcagatgt catagctcag 480
gttggtttttg tagccatttt gcttcacagt cacctggaat gccgggagcc cctgctcatc 540
ccgatcctct ccttgtacat gggcgcaact gtgcgctgca ccaccctgtg cctgggctac 600
tacaagaaca ttcacgacat catccctgac agaagtggcc cggagctggg gggagatgca 660
acaataagaa agatgctgag cttctgggtg cttttggctc taattctggc cacacagaga 720
atcagtcggc ctattgtcaa cctctttgtt tcccgggacc ttggtggcag ttctgcagcc 780
acagaggcag tggcgatttt gacagccaca tacctgtgtg gtcacatgcc atacggctgg 840
ttgacggaaa tccgtgctgt gtatcctgct ttcgacaaga ataacccag caacaaactg 900
gtgagcacga gcaacacagt cacggcagcc cacatcaaga agttcacctt cgtctgcatg 960
gctctgtcac tcacgctctg tttcgtgatg ttttgacac ccaacgtgtc tgagaaaatc 1020
ttgatagaca tcacggagt ggactttgcc tttgcagaac tctgtgttgt tcctttgcgg 1080
atcttctcct tcttcccagt tccagtcaca gtgagggcgc atctcaccgg gtggctgatg 1140
acactgaaga aaaccttcgt ccttgcccc agctctgtgc tgcggatcat cgtcctcatc 1200
gccagcctcg tggtcctacc ctacctgggg gtgcacgggt cgacctggg cgtgggctcc 1260
ctcctggcgg gctttgtggg agaatccacc atggctgcca tcgctgcgtg ctatgtctac 1320
cggaagcaga aaaagaagat ggagaatgag tcggccacgg agggggaaga ctctgccatg 1380
acagacatgc ctccgacaga ggaggtgaca gacatcgtgg aaatgagaga ggagaatgaa 1440
taaggcacgg gacgccatgg gcaactgcagg gacagtcagt c 1481

```

&lt;210&gt; 28

&lt;211&gt; 303

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

WO 00/23589

PCT/US99/24511

<220>

<221> misc\_feature

<223> Incyte ID No: 3620391CB1

<400> 28

```
tctagagccg ccgcctgccg ggtctggagc gcgcgcgtccg ccgcgggacaa gaccctggcc 60
tcacgccgga gcagcccccatt catgccgagg gagcgcaggag agcgggatgc gaaggagcgg 120
gacaccatga aggaggacgg cggcgcggag ttctcggctc gctccaggaa gaggaaggca 180
aacgtgaccg ttttttgcag gatccagatg aagaaatggc caaaatcgac aggacggcga 240
tggaccagtg tgggagccag acttggggaga atgatgcagt ctgtgcaggc ccctgctccc 300
tga 303
```

<210> 29

<211> 1452

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3969860CB1

<400> 29

```
gcgctctaatt gttaccactc tgcattcctgt tctaggettt tctggctttg tctgcccggga 60
tgcccagtgc cctgagaagg agctacatgc caccgggctgg aggctagagc ctgtggcacc 120
atgattttgcc tccgatggag gtggctgaat taggcttccc agagactgca gtgtcccaat 180
ccaggatctg tctatgtgct gtattgtgtg gccactggga ctttgcagac atgatggtga 240
taaggagcct gagtggacat ggctgcactc ttccaagaag caagcagctg tcccgtctgc 300
tcagactatc tggaaaaacc aatgtccctg gagtgtggat gcgcgcgtctg cctcaagtgc 360
attaattcac tgcagaagga gcccattggg gaggatctac tttgctgttg ctcttccatg 420
gtctctcggga agaacaaaat caggcgcaat cggcagctag agaggctggc ttcccacatc 480
aaggaaactgg agcccaagct gaagaagata ctgcagatga acccaaggat gcggaagtgc 540
caagtggata tgaccttggg tgccaacaca gccaacaact tctctctcat ttctgacgac 600
ctcaggagcg tccgaagtgg gcgcacatcaga cagaatcggc aagaccttgc cgagagattt 660
gacgtgtccg tttgcatcct gggctccctc cgctttacct gtggccgcca ctgctggggag 720
gtggacgtgg gaacaagcac agaattgggac ctgggagctc gcagagaatc tgttcaccgc 780
aaaggaggga tccagctgac cacagagctt ggattctgga ctgtgagttt gagggatgga 840
ggccgcctct ctgccagcac ggtgccgctg actttcctct tcttagaccg caagttacag 900
cgagtgggga tttttctgga tatgggcatg cagaacgttt ctttttttga tgctgaaaagt 960
ggttcccatg tctatacatt caggagcgta tctgctgagg agccattgag cccatttttg 1020
gtccttccag ttccacctaa tggatgatcaa ggtgtcttga gcattctgtcc tttgatgaac 1080
tcaggcacta ctgatgctcc agtccgtcct ggggaggcca aataagccct cactccaaaa 1140
aaacaaaaaa cagggttaaga aaattacttg ggtgggtaga cttaggaacg ctctacttcg 1200
taaaagcatt atacaaagtc acgggagaaa aatatgggac atttcttgat tgtacttaat 1260
ctaatttgat tagattatag agtccctaagt attaattatt gccaccatca aactcattga 1320
gtcctatggt tcacatcttg tttcctatag aaatgtcctg tattctggga tcaatttcca 1380
aatgctttac ttttttattt ctgcaagtgc aaattaatgt attatagaag ttatgagtta 1440
aatagaagag ta 1452
```

<210> 30

<211> 495

<212> DNA

<213> Homo sapiens

WO 00/23589

PCT/US99/24511

<220>

<221> misc\_feature

<223> Incyte ID No: 4286006CB1

<400> 30

```

gtttgtctct caagttaaac caacaagccg atagaaaaag gtagttatca agagatTTTT 60
aaaacttcaa ccttttttct cttatagtta gtgaagagag tagaatatct ccagtttttg 120
ctgacatctc tacaacctga acaattggct taaacttcac ttgggattcc cggttgcttg 180
ttttagcatg gcgaaatttg gcgttcacag aatccttctt ctggctatTT ctctgacaaa 240
gtgtctggag agtacaaaac tgctggcaga ccttaaaaaa tgtggtgact tggaatgtga 300
agctttaata aacagagtct cagccatgag agattataga ggacctgact gccgatacct 360
gaacttcact aagggaagaag agatatctgt ttatgttaaa cttgcaggag ataggggaaga 420
tttgtgggca ggaagtaaaag gaaaggagtt tggatatttt cccagagatg cagtccagat 480
ttgagagggt gtcag
495

```

<210> 31

<211> 1993

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 4325626CB1

<400> 31

```

gccgcgtacg gtgtgacctt tagacaattc tgtctcacag gatggacgtg gtagaggtcg 60
cggggcagttg gtgggcacaa gagcgagagg acatcattat gaaatacgaa aagggaacacc 120
gagctgggct gccagaggac aaggggccta agccttttctg aagctacaac aacaacgtcg 180
atcatttggg gattgtacat gagacggagc tgcctcctct gactgcgcgg gaggcgaagc 240
aaattcggcg ggagatcagc cgaaagagca agtgggtgga tatgctggga gactgggaga 300
aatacaaaaag cagcagaaaag ctcatagatc gagcgtacaa gggaatgcc atgaacatcc 360
ggggcccgat gtggtcagtc ctctgaaca ctgaggaaat gaagttgaaa aaccccgaa 420
gataccagat catgaaggag aagggaaga ggtcatctga gcacatccag cgcacgacc 480
gggacgtaag cgggacatta aggaagcata tattcttcag ggatcgatac ggaaccaagc 540
agcgggaact actccacatc ctctggcat atgaggagta taaccggag gtgggctact 600
gcagggacct gagccacatc gccgccttgt tctcctcta tcttctgag gaggatgcat 660
tctgggcaact ggtgcagctg ctggccagtg agaggcactc cctgcaggga ttccacagcc 720
caaattggcg gaccgtccag gggctccaag accaacagga gcatgtggta gccacgtcac 780
aaccaagac catggggcat caggacaaga aagatctatg tgggcagtgt tcccgttag 840
gctgcctcat cgggatattg attgacggga tctctctcgg gctcaccttg cgctgtggg 900
acgtgtatct ggtagaaggc gaacaggcgt tgatgccgat aacaagaatc gcctttaagg 960
ttcagcagaa gcgcctcacg aagacgtcca ggtgtggccc gtgggcacgt ttttgcaacc 1020
ggttcggtga tacctgggac agggatgagg acactgtgct caagcatctt agggcctcta 1080
tgaagaaact aacaagaaag cagggggacc tgccacccc agccaaacc gagcaagggt 1140
cgtcggcatc caggcctgtg ccggcttcac gtggcgggaa gaccctctgc aagggggaca 1200
ggcaggcccc tccaggccca ccagcccggg tcccgcggcc catttggtca gcttcccgc 1260
cacgggcacc tcgttcttcc acacctgtc ctggtggggc tgtccgggaa gacacctacc 1320
ctgtgggcac tcagggtgtg ccagcccgg ccctggctca gggaggacct cagggttct 1380
ggagattcct gcagtggaac tccatgcccc gcctcccaac ggacctggac gtagagggcc 1440
cttgggttcg ccattatgat ttcagacaga gctgctgggt ccgtgccata tcccaggagg 1500
accagctggc cccctgctgg caggctgaac accctgcgga gcgggtgaga tcggctttcg 1560
ctgcacccag cactgattcc gaccagggca ccccttcag agctagggac gaacagccgt 1620
gtgctccac ctcagggctt tgccctctgc gcctccactt ggaaagtctt cagtccctc 1680
caggcttcta gaagcatctg ggccagggct catggctgga taatttcctt aggcttaaca 1740

```

WO 00/23589

PCT/US99/24511

```

acccaagcaa gttcgcaccc tcgtttttatt tttggttaaa cttatgaaaa tgtattaaga 1800
aagagtgcag ctcgagagag attcagagat ggaacacacc agaccccaga tcacaaagcc 1860
aaccatgccc agcccctccc agcaccoccca gccccacgac catcgttctg aattctgacg 1920
acaccgtgag cctgcctttg tactttcaaac tcatggaagg ataaccacct tcatgttttg 1980
aaataaatgg gtc
1993

```

&lt;210&gt; 32

&lt;211&gt; 728

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1438978CB1

&lt;400&gt; 32

```

aagctcttcc attgggctgt tgagtgggtg cgcaccgacg gccaggagtt tcttttctgc 60
gcttggtgctg tttctgttcg gtttccttcc cgtacgcggg gccacgaggg ttgctaggca 120
acagcccctg ggtgacttgg tcttagggtc ctgtccggct tggggctgat gaaaggagct 180
gtccgcgccc gggctcttcc gagaagtggg tgctgacagc cacaaagtga aagggagtga 240
ggcggcgctg acgagtaagg agtgacagtg aggattcaca tttgggttat ttcaagatga 300
gcttctact gcccaagctg actagcaaaa aggaagtaga ccaggcgata aaaagtactg 360
ctgagaaggt gttggttctc aggtttggga gagatgaaga tctgtctgt ctgcagctag 420
atgatattct ttctaagacc tcttctgact taagtaaaat ggctgctata tacctggtag 480
atgtggacca aactgcagtt tatacacagt attttgacat cagttatatt ccatctactg 540
tctttttctt caatgggcag catatgaaag tggattatgg gtaagtgcag ttgatctgaa 600
gttaattgca accttgtaa gttccttggg aagcattttc agtagcttgc ctatttccat 660
gtgatgttgg ctctgtgagt cttatatcag tactgtttcc tcaattgacg cactctctaa 720
ttttttat
728

```

&lt;210&gt; 33

&lt;211&gt; 1452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2024773CB1

&lt;400&gt; 33

```

gtcaggagcg tagaggcggc ggcaaaatgg cggcgccctga ggagcgggat ctaaccagg 60
agcagacaga gaagctgctg cagtttccagg atctcactgg catcgaatct atggatcagt 120
gtcgccatac cttggaacag cataactgga acatagaggc tgctgtacag gacagattga 180
atgagcaaga gggcgtaacct agtgttttca acccacctcc atcacgacct ctgcagggtta 240
atacagctga ccacaggatc tacagctatg ttgtctcaag acctcaacca agggggctgc 300
ttggatgggg ttattacttg ataatgcttc cattccgggt tacctattac acgatacttg 360
atatatttag gtttgcctct cgtttttatac ggctgacct tcgcagccgg gtcactgacc 420
ccgttgggga cattgtttca tttatgcact cttttgaaga gaaatatggg agggcacacc 480
ctgtcttcta ccagggaacg tacagccagg cacttaacga tgccaaaagg gagcttgcgt 540
ttcttttggg ttatcttcat ggagatgatc accaggactc tgatgagttt tgtcgcaaca 600
cactctgtgc acctgaagtt atttcaactaa taaacactag gatgctcttc tgggcatgct 660
ctacaaacaa acctgaggga tacagggtct cacaggcttt acgagagaac acctatccat 720
tcttggccat gattatgctg aaggatcgaa ggatgactgt ggtgggacgg ctagaaggcc 780

```

WO 00/23589

PCT/US99/24511

```
tcattcaacc tgatgacctc attaaccaac tgacatttat catggatgct aaccagactt 840
acctggtgtc agaacgccta gaaagggaag aaagaaacca gacccaagtg ctgagacaac 900
agcaggatga ggccctacctg gcctctctca gagctgacca ggagaaagaa agaaagaaac 960
gggaggagcg ggagcgtaag cggcgggaagg aggaggaggt gcaacagcaa aagttggcag 1020
aggagagacg gcggcagaat ttacaggagg aaaaggaaag gaagttggaa tgcctgcccc 1080
ctgaaccttc cctgatgac cctgaaagtg tcaagatcat cttcaaatta cctaattgatt 1140
ctcgagtaga gagacgattc cacttttcac agtctctaac agtaatccac gactttcttat 1200
tctccttgaa ggaaagccca gaaaagtttc agattgaagc caattttccc aggcgagtg 1260
tgccctgcag ccttcagag gagtggccca atccccctac gctacaggag gccggactca 1320
gccacacaga agttcttttt gttcaggacc taactgacga atgacatttt tttcttctctg 1380
tcccctccta cccagtcoc taaaagaaat ggggaaaaaa gaaaacaaca gcaagtcaaa 1440
aaaaaaaaaa aa 1452
```

<210> 34  
<211> 1229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3869790CB1

```
<400> 34
ccaggcttga ctcattccca ccttgctcctg ggctgagatc ccaggtttgt aacagaaaac 60
accactaaag cccagcaca ggagagaacc acccagccca gaagttccag ggaagggaact 120
ctccgggtcca ccatggagta cctctcagct ctgaacccca gtgacttact caggtcagta 180
tctaatataa gctcggagtt tggacggagg gtctggacct cagctccacc accccagcga 240
cctttccgtg tctgtgatca caagcggacc atccgaaaag gctgacagc tgccaccgcg 300
caggagctgc tagccaaagc attggagacc ctactgctga atggagtgt aacctgggtg 360
ctagaggagg atggaactgc agtggacagt gaggacttct tccagctgct ggaggatgac 420
acgtgcctga tgggtgttgca gtctggtcag agctggagcc ctacaaggag tggagtgtg 480
tcatatggcc tgggacggga gaggcccaag cacagcaagg acatcgcccg attcaccttt 540
gacgtgtaca agcaaaaccc tcgagacctc tttggcagcc tgaatgtcaa agccacattc 600
tacgggctct actctatgag ttgtgacttt caaggacttg gcccaaagaa agtactcagg 660
gagctccttc gttggacctc cacactgctg caaggcctgg gccatatgtt gctgggaatt 720
tctccaccc ttcgtcatgc agtggagggg gctgagcagt ggcagcagaa gggccgcctc 780
cattcctact aaggggctct gagcttctgc cccagaatc attccaaccg acccactgca 840
aagactatga cagcatcaaa tttcaggacc tgcagacagt acaggctaga taaccacccc 900
aatttcccca ctgtcctctg atccccctgt gacagaacct ttcagcataa cgctccacat 960
cccaagtcta tacccttacc tgaagaatgc tgttctttcc tagccacctt tctagcctcc 1020
cacttgccct gaaaggccaa gatcaagatg tccccaggc atcttgatcc cagcctgact 1080
gctgctacat ctaatcccc accaatgcct cctgtcccta aactccccag catactgatg 1140
acagccctct ctgactttac cttgagatct gtcttcatac ccttcccctc aaactaacia 1200
aaacatttcc aataaaaaata tcagaatac 1229
```

<210> 35  
<211> 1455  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 001273CB1



WO 00/23589

PCT/US99/24511

<400> 35

```

tggaatcgcg ggcaaagatg gcggcggcca ggtgttggag gcctttgcta cgcggtccga 60
ggctttcatt gcacaccgcg gctaatagccg ccgccacggc tacagaaacg acctgccaaag 120
acgtcgcggc gacccccgtc gcgcggtacc cgccgattgt ggccctccatg acagccgaca 180
gcaaagctgc acggtctgcg cggtatcgagc gctggcagggc gacggtgcac gctgcggagt 240
cggtagacga gaagctgcga atcctcacca agatgcagtt tatgaagtac atggttttacc 300
cgacagacctt cgcgctgaat gccgaccgct ggtaccagta cttcaccaag accgtgttcc 360
tgtcgggtct gccgcgcgcg ccagcgagc ccgagcccga gcccgaaacc gaacctgaac 420
ctgcgctgga cctcgcggcg ctgcgtgcgg tcgcctgcga ctgcctgctg caggagcact 480
tctacctgcg gcgcaggcgg cggtgcacc gttacgagga gacgcaggtc atatctttgc 540
ccttcctgga tcagctgggtg tcaaccctcg tgggcctcct cagcccacac aaccgggcc 600
tggcgcgtgc cgccctcgat tatagatgcc cagttcattt ttactgggtg cgtggtgaag 660
aaattattcc tcgtggtcat cgaagaggtc gaattgatga cttgcgatac cagatagatg 720
ataaaccaaa caaccagatt cgaatatcca agcaactcgc agagtttgtg ccattggatt 780
attctgttcc tatagaaatc ccactataa aatgtaaaacc agacaaactt ccattattca 840
aacggcagta tgaaaaccac atatttggtg gctcaaaaac tgcagatcct tgctgttacg 900
gtcacaccca gtttcatctg ttacctgaca aattaagaag ggaaaggctt ttgagacaaa 960
actgtgctga tcagatagaa gttgttttta gagctaagtc tattgcaagc ctttttgctt 1020
ggactggagc acaagctatg tatcaaggat tctggagtga agcagatgtt actcgacctt 1080
ttgtctccca ggctgtgatc acagatggaa aatacttttc ctttttctgc taccagctaa 1140
atactttggc actgactaca caagctgatc aaaataaccc tcgtaaaaat atatgttggg 1200
gtacacaaaag taagcctctt tatgaaacaa ttgaggataa tgatgtgaaa ggttttaatg 1260
atgatgttct acttcagata gtacactttc tactgaatag accaaaagaa gaaaaatcac 1320
agctgttgga aaactgaaaa agcatatttg attgagaact gtgggaatat ttaattttta 1380
ctgaaggaac aataatgatg agatttgtaa ctgtcaacta ttaaatacat tgatttttga 1440
gacaaaaaaa aaaaa 1455

```

<210> 36

<211> 2099

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 411831CB1

<400> 36

```

gaacgctggt tagtcttgtt tcgggttccg gctgcgttgg gcttgcggtc ggctcgctaa 60
gactatggcg tccgggcctc attcgacagc tactgctgcc gcagccgct catcgccgc 120
cccaagcgcg ggcggtcca gtcggggac gacgaccacg acgacgacca cgacgggagg 180
gatcctgatc ggcgatcgcc tgtactcgga agtttcaact accatcgacc actctctgat 240
tccggaggag aggctctcgc ccaccccatc catgcaggat gggctcgacc tgcccagtga 300
gacggactta cgcaccttg gctgcgagct catccaggcc gccggcattc tctcgggt 360
gccgcagggt gcgatggcaa cggggcagggt gttgtttcat cgttttttct actccaaatc 420
tttcgtcaaa cacagtctcg agattgttgc tatggcttgt attaactctg catcaaaaat 480
cgaagaagca cctagaagaa taagagatgt gattaatgta ttccaccacc tccgcagtt 540
aagaggaaaa aggactccaa gcccctgat ccttgatcag aactacatta acacaaaaaa 600
tcaagttatc aaagcagaga ggagggtgct aaaggagtgt ggattttgtg ttcagtcaa 660
gcaccccatc aagatcattg ttatgtatct acaagtctta gaatgtgaac gtaatcaaac 720
cctggttcaa actgcctgga attacatgaa tgacagtctt cgaaccaatg tgtttgttcg 780
atttcaacca gagactatag catgtgcttg catctacctt gcagctagag cacttcagat 840
tccgttgcca actcgtcccc attggtttct tcttttttgt actacagaag aggaaatcca 900
ggaaatctgc atagaaacac ttaggcttta taccagaaaa aagccaaact atgaattact 960
ggaaaaagaa gtagaaaaaa gaaaagtagc cttacaagaa gccaaattaa aagcaaaggg 1020

```

WO 00/23589

PCT/US99/24511

```

attgaatccg gatggaactc cagccctttc aaccctgggt ggattttctc cagcctccaa 1080
gccatcatca ccaagagaag taaaagctga agagaaatca ccaatctcca ttaatgtgaa 1140
gacagtcaaa aaagaacctg aggatagaca acaggcttcc aaaagccctt acaatgggtg 1200
aagaaaagac agcaagagaa gtagaaatag cagaagtgcg agtcgatcga ggtcaagaac 1260
acgatcacgt tctagatcac atactccaag aagacactat aataataggc ggagtcgatc 1320
tggaacatac agctcgagat caagaagcag gtcccgcagt cacagtgaaa gccctcgaag 1380
acatcataat catggttctc ctcaccttaa ggccaagcat accagagatg atttaaaaag 1440
ttcaaacaga catggtcata aaaggaaaaa atctcgttct cgatctcaga gcaagtctcg 1500
ggatcactca gatgcagcca agaaacacag gcatgaaagg ggacatcata gggacaggcg 1560
tgaacgatct cgctcctttg agaggtecca taaaagcaag caccatgggtg gcagtcgctc 1620
aggacatggc aggcacaggc gctgactttc tcttcctttg agcctgcac agttcttggt 1680
tttgctatc tacagtgtga tgtatggact caatcaaaaa cattaaacgc aaactgatta 1740
ggatttgatt tcttgaaacc ctctaggctc ctagaacact gaggacagtt tcttttgaaa 1800
agaactatgt taattttttt gcacattaaa atgccctagc agtatctaag taaaaaccat 1860
ggtcaggttc aattgtactt tattatagtt gtgtattggt tattgctata agaactggag 1920
cgtgaattct gtaaaaatgt atcttatttt tatacagata aaattgcaga cactgttcta 1980
tttaagtggg tatttgttta aatgatgggt aatactttct taacactggg ttgtctgcat 2040
gtgtaaagat ttttacaagg aaataaaata caaatcttgt tttttctaaa aaaaaaaaaa 2099

```

&lt;210&gt; 37

&lt;211&gt; 1363

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1520835CB1

&lt;400&gt; 37

```

gaccccagag gccaccctgg ccacttccag aaagctgtgg gccctgggat actcccctcc 60
caggggtgtct ggtggcaggc ctgtgcctat ccctgctgtc cccaggggtgg gcccggggg 120
tcaggagctc cagaagggcc agctgggcat attctgagat tggccatcag ccccatcttc 180
tgctgcaaac ctggtcagag ccagtgttcc ctccatgggg cctaaagaca gtgccaaagt 240
cctgcaccgt ggaccacagc cgagccactg ggcagccggg gatgggtcca cgcaggagcg 300
ctgtggacce cgctctctgg gcagccctgt cctaggcctg gacacctgca gagcctggga 360
ccacgtggat gggcagatcc tgggccagct gcggcccctg acagaggagg aagaggagga 420
gggcgcgggg gccaccttgt ccagggggcc tgccttcccc ggcattgggt ctgaggagtt 480
gcgtctggcc tccttctatg actggccgct gactgctgag gtgccaccgg agctgctggc 540
tgctgccggc ttcttccaca caggccatca ggacaagggt aggtgcttct tctgctatgg 600
gggcctgcag agctggaagc gcggggacga cccctggacg gagcatgcca agtgggtccc 660
cagctgtcag ttctgtctcc ggtcaaaagg aagagacttt gtccacagtg tgcaggagac 720
tactcccag ctgctgggct cctgggaccc gtgggaagaa ccggaagacg cagcccctgt 780
ggccccctcc gtccctgect ctgggtaccc tgagctgccc acaccagga gagaggcca 840
gtctgaaagt gccaggagc caggaggggt cagtccagcc gaggcccaga gggcgtgggt 900
ggttcttgag ccccaggag ccagggatgt ggaggcgag ctgcggcggc tgcaggagga 960
gaggacgtgc aaggtgtgcc tggaccgcgc cgtgtccatc gtctttgtgc cgtgcggcca 1020
cctggtctgt gctgagtgtg ccccggcct gcagctgtgc cccatctgca gagccccctg 1080
ccgcagccgc gtgcgcacct tcctgtccta ggccagggtc catggccggc cagggtgggt 1140
gcagagtggg ctccctgccc ctctctgect gttctggact gtgttctggg cctgctgagg 1200
atggcagagc tgggtgtccat ccagcactga ccagccctga ttccccgacc accgcccagg 1260
gtggagaagg aggccttgc ttggcgtggg ggatggctta actgtacctg tttggatgct 1320
tctgaataga aataaagtgg gttttccctg gaaaaaaaaa aaa 1363

```



WO 00/23589

PCT/US99/24511

	35		40		45
Leu Asp Cys Ala	Leu Lys Arg Arg Ala Lys Cys Pro Pro Gly Ala				
	50		55		60
His Ala Cys Gly	Pro Cys Leu Gln Ser Phe Gln Glu Asp Gln Arg				
	65		70		75
Gly Phe Cys Val	Pro Arg Lys His Leu Ser Ser Gly Glu Gly Leu				
	80		85		90
Pro Gln Pro Arg	Leu Glu Glu Glu Ile Asp Ser Leu Ala Gln Glu				
	95		100		105
Leu Ala Leu Lys	Glu Lys Glu Ala Gly His Ser Arg Leu Thr Ala				
	110		115		120
Gln Pro Leu Leu	Glu Arg Ala Gln Lys Leu Leu Glu Pro Ala Ala				
	125		130		135
Thr Leu Gly Phe	Ser Gln Trp Gly Gln Arg Leu Glu Pro Gly Leu				
	140		145		150
Pro Ser Thr His	Gly Thr Ser Ser Pro Ile Pro His Thr Ser Leu				
	155		160		165
Ser Ser Arg Ala	Ser Ser Gly Pro Val Gln Met Ser Pro Leu Glu				
	170		175		180
Pro Gln Gly Arg	His Gly Asn Gly Leu Thr Leu Val Leu Ile Leu				
	185		190		195
Ala Phe Cys Leu	Ala Ser Ser Ala Ala Leu Ala Val Ala Ala Leu				
	200		205		210
Cys Trp Cys Arg	Leu Gln Arg Glu Ile Arg Leu Thr Gln Lys Ala				
	215		220		225
Asp Tyr Ala Ala	Thr Ala Lys Gly Pro Thr Ser Pro Ser Thr Pro				
	230		235		240
Arg Ile Ser Pro	Gly Asp Gln Arg Leu Ala His Ser Ala Glu Met				
	245		250		255
Tyr His Tyr Gln	His Gln Arg Gln Gln Met Leu Cys Leu Glu Arg				
	260		265		270
His Lys Glu Pro	Pro Lys Glu Leu Glu Ser Ala Ser Ser Asp Glu				
	275		280		285
Glu Asn Glu Asp	Gly Asp Phe Thr Val Tyr Glu Cys Pro Gly Leu				
	290		295		300
Ala Pro Thr Gly	Glu Met Glu Val Arg Asn Pro Leu Phe Asp His				
	305		310		315
Ser Thr Leu Ser	Ala Pro Val Pro Gly Pro His Ser Leu Pro Pro				
	320		325		330
Leu Gln					

<210> 40  
 <211> 268  
 <212> PRT  
 <213> Homo sapiens

<300>  
 <308> GenBank ID No: g998357

<400> 40  
 Met Ala Val Asn Val Tyr Ser Thr Ser Val Thr Ser Asp Asn Leu  
 1 5 10 15











